

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS										
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other									
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector				
Doc/Data																
Equip/Tooling																
Operator																
Material																
Setup																
Other																
Process																
Supplier																
Training																
Unapproved																
FAULT CATEGORY																
Landing Gear					General											
<input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube					<input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions								<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
															<input type="checkbox"/> Other	

Work Order ID 107323***107323***

Page 2

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Item ID: 646.4001

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: AS350 Cable Cutters

Stop

NS2

Start Date: 9/23/13 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/23/13 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

DAS

130

130

Packaging

Packaging

0.00

1

13/12/11

6

989

Packaging

Memo

0.00

Identify and pack for shipping as per PPP 646.4001

Location: 16092

140

140

QC

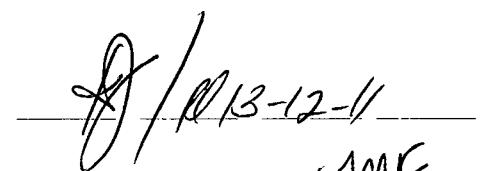
Quality Control

QC21- Final Inspection - Work Order Release

0.00

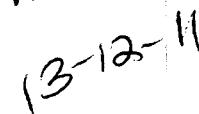
Memo

0.00



 09/13-12-11

MC



 13-12-11

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Picklist Print

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Page 1

Work Order ID: 107323

Parent Item: 646.4001

Start Date: 9/23/13

Required Date: 9/23/13

Parent Item Name: AS350 Cable Cutters

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 Upper Cutter Assy		Manufactured	No				Each	10.0000		100	1	DAS 33 9-89	
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST544			10						
				102876			4						
				125083			6						
646.3001 Lower Cutter Assy	DAS 27 9-89	Manufactured	No				Each	4.0000		101	1	DAS 33 9-89	
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST537			4						
				101102			1						
				125083			3						
646.2910 Deflector	DAS 27 9-89	Manufactured	No				Each	14.0000		106	1	DAS 33 9-89	
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST426			9						
				101543			5						
				105844			4						
				st535			1						
				100122			1						
				st543			4						
				100811			4						
646.3310 Bracket	DAS 27 9-89	Manufactured	No				Each	11.0000		1080419	1	DAS 33 9-89	13-11-20
				<u>Location</u>			<u>Loc Qty</u>		<u>Loc Code</u>				
				ST524			11						
				102933			11						

NCR: Yes / No

DQA: Date:

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>						
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector
Doc/Data	<input type="checkbox"/>											
Equip/Tooling	<input type="checkbox"/>											
Operator	<input type="checkbox"/>											
Material	<input type="checkbox"/>											
Setup	<input type="checkbox"/>											
Other	<input type="checkbox"/>											
Process	<input type="checkbox"/>											
Supplier	<input type="checkbox"/>											
Training	<input type="checkbox"/>											
Unapproved	<input type="checkbox"/>											
FAULT CATEGORY												
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube					General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio		<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions		<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
<input type="checkbox"/> Other												

Picklist Print

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Page 2

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

646.3510

Strut

DAS
27
9-89

Manufactured

No

Each 7.0000

1

DAS
33
9-89

DAS
33
9-89

646.3511

Strut

DAS
27
9-89

Manufactured

No

Each 16.0000

1

DAS
33
9-89

DAS
33
9-89

646.3512

Strut

DAS
27
9-89

Manufactured

No

Each 12.0000

1

DAS
33
9-89

DAS
33
9-89

646.3513

Strut

DAS
27
9-89

Manufactured

No

Each 19.0000

1

DAS
33
9-89

DAS
33
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance			Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector						
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
Bending	Bend	Grain	Ovalized				Pressure/Forced													
Centre Not Concentric to O/S	BOM/Route	Hardware	Over/Under tolerance				Temperature/Cure													
Cracks	Broken/Damaged	Inspection Incomplete	Part Incorrect				Weld													
Crushed/Crimped	Burrs	Instructions Incomplete/Unclear	Part Lost/Missing				Wrong Stock Pulled													
Cuffs	Contamination	Maintenance	Part Moved																	
Heat Treat	Countersink	Mislabeled	Positioned Wrong																	
Inspection Strip in Tube	Cut Too Short	Misread	Power Loss/Surge																	
Ripples in Bend	Drill Holes	Offset																		
Torque Waves in Extrusion	Drawing	Out of Calibration																		
Turning Sequence	Finish	Out of Sequence																		
Wave/Twist in Tube	Folio	Outside Dimensions																		

Picklist Print

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Page 3

Work Order ID: 107323 **Start Date:** 9/23/13 **Required Date:** 9/23/13
Parent Item: 646.4001 **Start Qty:** 1.00 **Required Qty:** 1.00
Parent Item Name: AS350 Cable Cutters

NAS1149F0332P

Purchased

No

Each

8,538.0000

154

DAS

33

9-89

Washer

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	182	
	122063	
ST294	182	
	122063	
ST295	158	
	122063	
ST295	3	
	123352	
st510	3	
	123352	
st510	3195	
	123900	
ST510a	3195	
	123900	
ST510a	5000	
	125646	
ST510a	5000	

DAS
31
9-89

MS2104213

Purchased

No

Each

5,946.0000

63

DAS
33
9-89

13-1-32

Nut

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FP001	3	
	122141	
GA	3	
	122452	
ST314	18	
	122452	
ST314	304	
	111668	
111668	1	
117885	32	
119017	55	
119075	138	
123265	43	
M126036	35	
ST506		
	1249	
ST506		
	123900	
123900	870	
124291	379	
ST510a		
	4372	
ST510a		
	372	
M126275		
	4000	
M126333		

13-1-32
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS									
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>						
			Work Order Update <input type="checkbox"/>			Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>						
						Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>						
						Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance			Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
														<input type="checkbox"/> Other	

Picklist Print

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Page 4

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

646.3110

Channel

Manufactured

No

Each

11.0000

DAS

33

9-89

106741

DAS
27
9-89

Location

Loc Qty

Loc Code

ST139A

4

125083

4

ST540

1

93242

1

ST542

6

100124

6

646.3710
Doubler

DAS
27
9-89

Manufactured

No

Each

28.0000

DAS
33
9-89

DAS
31
9-89

Location

Loc Qty

Loc Code

ST425

1

97175

1

ST539

27

100950

27

646.3210
Support

DAS
27
9-89

Manufactured

No

Each

11.0000

DAS
33
9-89

DAS
31
9-89

Location

Loc Qty

Loc Code

ST427

10

102994

10

ST538

1

100123

1

646.3713
Gusset

DAS
27
9-89

Manufactured

No

Each

26.0000

DAS
33
9-89

13-11-22

Location

Loc Qty

Loc Code

st535

26

102617

19

99630-1

7

99630-1

DAS
31
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS									
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>								
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>								
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>								
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>									
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector				
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
														<input type="checkbox"/> Other	

Picklist Print

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Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

MS24694-S51

Screw

DAS
27
9-89

Purchased

No

Each 75.0000

Location

Loc Qty

Loc Code

ST303

75

116805

1

123741

12

125654

62

5
DAS
33
9-89

DAS
33
9-89

AN3-13A
Bolt

DAS
27
9-89

Purchased

No

Each 34.0000

Location

Loc Qty

Loc Code

ST512

34

123759

34

1
DAS
33
9-89

DAS
33
9-89

AN3-14A
Bolt

Purchased

No

Each 353.0000

Location

Loc Qty

Loc Code

ST350

124

120308

80

122814

38

124858

6

ST512

229

120770

15

123900

1

125445

213

10
DAS
33
9-89

DAS
33
9-89

CR3213-5-3: 03
Cherry River

DAS
27
9-89

Purchased

No

Each 306.0000

Location

Loc Qty

Loc Code

ST328

300

m126333

300

ST329

6

123785

6

14
DAS
33
9-89

DAS
33
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS									
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>								
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>								
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>								
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>									
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector				
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
														<input type="checkbox"/> Other	

Picklist Print

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Page 6

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

MS20470AD5-55

Rivet

DAS
27
9-89

Purchased No Each 549.0000

8
DAS
33
9-89

DAS
33
9-89

646.37.11
Clip

DAS
27
9-89

Manufactured No Each 37.0000

123425
1
DAS
33
9-89

646.37.12
Clip

DAS
27
9-89

Manufactured No Each 38.0000

102554
1
DAS
33
9-89

646.3811
Radius Block

DAS
27
9-89

Manufactured No Each 24.0000

103533
166714
DAS
33
9-89

DAS
33
9-89

13-11-22

Location Loc Qty Loc Code
ST336 549
123425 549

Location Loc Qty Loc Code
st535 30
101004 10
93929 20
ST536 7
102554 7

Location Loc Qty Loc Code
st535 30
101119 10
93949 20
ST536 8
100117 1
102553 7

Location Loc Qty Loc Code
ST139A 3
93224 3
st535 21
100131 21

NCR: Yes / No

DQA: Date:

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS						
				Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data												
Equip/Tooling												
Operator												
Material												
Setup												
Other												
Process												
Supplier												
Training												
Unapproved												
FAULT CATEGORY												
Landing Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion Turning Sequence Wave/Twist in Tube					General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing Finish Folio		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread Offset Out of Calibration Out of Sequence Outside Dimensions		Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Positioned Wrong Power Loss/Surge		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other	

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Page 7

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

AN36A
Bolt

DAS
27
9-89

Purchased No Each 205.0000

2
DAS
33
9-89

Location Loc Qty Loc Code

ST350 134 _____

124296 18 _____

M126073 8 _____

M126192 100 _____

M126400 8 _____

ST351 61 _____

117441 34 _____

121166 13 _____

122993 10 _____

123831 4 _____

ST512 10 _____

122814 10 _____

DAS
33
9-89

MS24694 S55
Screw
DAS
27
9-89

Purchased No Each 115.0000

1
DAS
33
9-89

Location Loc Qty Loc Code

ST303 115 _____

124296 61 _____

125535 54 _____

646.3610
Filler
DAS
27
9-89

Manufactured No Each 23.0000

1
DAS
33
9-89

Location Loc Qty Loc Code

ST139A 6 _____

93434 1 _____

99849 5 _____

646.3714
Gusset
DAS
27
9-89

Manufactured No Each 2.0000

1
DAS
33
9-89

Location Loc Qty Loc Code

ST521 2 _____

99597 2 _____

DAS
33
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____	Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>					
NCR No. _____	Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>	Quality <input type="checkbox"/>					
	Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Other <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending	<input type="checkbox"/>	Bend	<input type="checkbox"/>	Grain	<input type="checkbox"/>	Ovalized	<input type="checkbox"/>	Pressure/Forced	<input type="checkbox"/>		
Centre Not Concentric to O/S	<input type="checkbox"/>	BOM/Route	<input type="checkbox"/>	Hardware	<input type="checkbox"/>	Over/Under tolerance	<input type="checkbox"/>	Temperature/Cure	<input type="checkbox"/>		
Cracks	<input type="checkbox"/>	Broken/Damaged	<input type="checkbox"/>	Inspection Incomplete	<input type="checkbox"/>	Part Incorrect	<input type="checkbox"/>	Weld	<input type="checkbox"/>		
Crushed/Crimped	<input type="checkbox"/>	Burrs	<input type="checkbox"/>	Instructions Incomplete/Unclear	<input type="checkbox"/>	Part Lost/Missing	<input type="checkbox"/>	Wrong Stock Pulled	<input type="checkbox"/>		
Cuffs	<input type="checkbox"/>	Contamination	<input type="checkbox"/>	Maintenance	<input type="checkbox"/>	Part Moved	<input type="checkbox"/>		<input type="checkbox"/>		
Heat Treat	<input type="checkbox"/>	Countersink	<input type="checkbox"/>	Mislabeled	<input type="checkbox"/>	Positioned Wrong	<input type="checkbox"/>		<input type="checkbox"/>		
Inspection Strip in Tube	<input type="checkbox"/>	Cut Too Short	<input type="checkbox"/>	Misread	<input type="checkbox"/>	Power Loss/Surge	<input type="checkbox"/>		<input type="checkbox"/>		
Ripples in Bend	<input type="checkbox"/>	Drill Holes	<input type="checkbox"/>	Offset	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Torque Waves in Extrusion	<input type="checkbox"/>	Drawing	<input type="checkbox"/>	Out of Calibration	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Turning Sequence	<input type="checkbox"/>	Finish	<input type="checkbox"/>	Out of Sequence	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		
Wave/Twist in Tube	<input type="checkbox"/>	Folio	<input type="checkbox"/>	Outside Dimensions	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		

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Page 8

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

MS20470AD56
RIVET

Purchased No Each 1,564.0000

8
DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST336	1564	
105433	674	
124089	890	

105433
106004

DAS
31
9-89

646.3812
Gusset Bracket

Manufactured No Each 4.0000

33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st535	4	
102345	1	
102772	3	

2
4

DAS
31
9-89

AN3-3A
Bolt

Purchased No Each 419.0000

DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST350	419	
123831	7	
124552	1	
m126192	52	
m126249	359	

126249
1

DAS
31
9-89

646.3813
Strut Bracket

Manufactured No Each 6.0000

DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST537	6	
100133	3	
99674	3	

100133

DAS
31
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____			DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>			AGAINST DEPARTMENT/PROCESS Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>								
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector		
Doc/Data	<input type="checkbox"/>													
Equip/Tooling	<input type="checkbox"/>													
Operator	<input type="checkbox"/>													
Material	<input type="checkbox"/>													
Setup	<input type="checkbox"/>													
Other	<input type="checkbox"/>													
Process	<input type="checkbox"/>													
Supplier	<input type="checkbox"/>													
Training	<input type="checkbox"/>													
Unapproved	<input type="checkbox"/>													
FAULT CATEGORY														
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube					General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
													<input type="checkbox"/> Other	

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Page 9

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

MS20470ADS-7

Rivet

Purchased No Each 2,098.0000

3 DAS

33

9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
Mezz	1384	
2655	799	
3011	585	
ST336	714	
123425	714	

DAS
31
9-89

103425

18

DAS
33
9-89

MS21047-3

Nut Plate

DAS
27
9-89

Purchased No Each 665.0000

Location	Loc Qty	Loc Code
GA	90	
125535	90	
ST316	75	
123268	25	
123301	50	
st507	500	
125654	500	

DAS
31
9-89

12X125532

6X123268

GGR264SS3-02

Rivet, Cherry

DAS
27
9-89

Purchased No Each 678.0000

36 DAS
33
9-89

DAS
31
9-89

13-11-22

Location	Loc Qty	Loc Code
ST327	678	
106578	100	
124259	22	
M125952	264	
M126282	292	

126282

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS								
Part No. _____	Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>							
NCR No. _____	Use-as-is <input type="checkbox"/>	Work Order Update <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>							
			Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>							
			Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>								
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data													
Equip/Tooling													
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training													
Unapproved													
FAULT CATEGORY													
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other			

Picklist Print

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Page 10

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

DAS

33

9-89

ANB-SA

Bolt

Purchased No

Each 1,597.0000

2

DAS
27
9-89

Location Loc Qty Loc Code

FP001	12	
122800	12	
GA	120	
117423	120	
ST350	22	
120187	22	
ST511	1000	
m126559	1000	
ST512	443	
122416	19	
124561	424	

DAS
31
9-89

646.3715
Strut Doubler
DAS
27
9-89

Manufactured No

Each 13.0000

2

DAS

33

9-89

MS27039-1-12
Screw

DAS
27
9-89

Purchased No

Each 218.0000

6

DAS

33

9-89

DAS
31
9-89

124561

103610

125654

13-11-22

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____			Work Order Update <input type="checkbox"/>																	
NCR No. _____																				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector							
Doc/Data																				
Equip/Tooling																				
Operator																				
Material																				
Setup																				
Other																				
Process																				
Supplier																				
Training																				
Unapproved																				
FAULT CATEGORY																				
Landing Gear				General																
Bending		Bend <input type="checkbox"/>		Grain <input type="checkbox"/>		Ovalized <input type="checkbox"/>		Pressure/Forced <input type="checkbox"/>		Temperature/Cure <input type="checkbox"/>		Weld <input type="checkbox"/>		Wrong Stock Pulled <input type="checkbox"/>						
Centre Not Concentric to O/S		BOM/Route <input type="checkbox"/>		Hardware <input type="checkbox"/>		Over/Under tolerance <input type="checkbox"/>														
Cracks		Broken/Damaged <input type="checkbox"/>		Inspection Incomplete <input type="checkbox"/>		Part Incorrect <input type="checkbox"/>														
Crushed/Crimped		Burrs <input type="checkbox"/>		Instructions Incomplete/Unclear <input type="checkbox"/>		Part Lost/Missing <input type="checkbox"/>														
Cuffs		Contamination <input type="checkbox"/>		Maintenance <input type="checkbox"/>		Part Moved <input type="checkbox"/>														
Heat Treat		Countersink <input type="checkbox"/>		Mislabeled <input type="checkbox"/>		Positioned Wrong <input type="checkbox"/>														
Inspection Strip in Tube		Cut Too Short <input type="checkbox"/>		Misread <input type="checkbox"/>		Power Loss/Surge <input type="checkbox"/>														
Ripples in Bend		Drill Holes <input type="checkbox"/>		Offset <input type="checkbox"/>																
Torque Waves in Extrusion		Drawing <input type="checkbox"/>		Out of Calibration <input type="checkbox"/>																
Turning Sequence		Finish <input type="checkbox"/>		Out of Sequence <input type="checkbox"/>																
Wave/Twist in Tube		Folio <input type="checkbox"/>		Outside Dimensions <input type="checkbox"/>																

Picklist Print

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Page 11

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

646.5716
Gauge Bracket

Manufactured No Each 39.0000

1
DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st535	30	
101528	10	
93198	20	
ST536	9	
100120	1	
102552	8	

DAS
31
9-89

MS20426ADS-7
RIVET

Purchased No Each 703.0000

2
DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST334	703	
101340	703	

DAS
31
9-89

MS24694-SS4
SCREW

Purchased No Each 508.0000

2
DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST303	508	
125535	508	

DAS
31
9-89

MS27039-1-21
Screw

Purchased No Each 340.0000

4
DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST306	4	
115935	4	
ST506	336	
124326	236	
m126319	100	

DAS
31
9-89

MS27039-1-20
Screw

Purchased No Each 428.0000

2
DAS
33
9-89

DAS
27
9-89

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
st510	428	
124326	428	

DAS
31
9-89

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

Date:

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS										
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other									
Part No. _____																
NCR No. _____																
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector							
Doc/Data																
Equip/Tooling																
Operator																
Material																
Setup																
Other																
Process																
Supplier																
Training																
Unapproved																
FAULT CATEGORY																
Landing Gear				General												
Bending	General			Bend	General			Grain	General			Ovalized	General			Pressure/Forced
Centre Not Concentric to O/S				BOM/Route				Hardware				Over/Under tolerance				Temperature/Cure
Cracks				Broken/Damaged				Inspection Incomplete				Part Incorrect				Weld
Crushed/Crimped				Burrs				Instructions Incomplete/Unclear				Part Lost/Missing				Wrong Stock Pulled
Cuffs				Contamination				Maintenance				Part Moved				
Heat Treat				Countersink				Mislabeled				Positioned Wrong				
Inspection Strip in Tube				Cut Too Short				Misread				Power Loss/Surge				
Ripples in Bend				Drill Holes				Offset								
Torque Waves in Extrusion				Drawing				Out of Calibration								
Turning Sequence				Finish				Out of Sequence								
Wave/Twist in Tube				Folio				Outside Dimensions								

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Page 12

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

MS27039-1-19

Screw

DAS
27
9-89

Purchased No Each 1,266.0000

Start Date: 9/23/13

Start Qty: 1.00

Required Date: 9/23/13

Required Qty: 1.00

DAS

33

9-89

22

Location Loc Qty Loc Code

ST306 102

122814 2

123522 100

ST504 1000

125654 1000

ST506 164

124326 164

DAS
31
9-89

j24326

646.3717
Doubler

DAS
27
9-89

Manufactured No Each 6.0000

1 DAS
33
9-89

DAS
33
9-89

Location Loc Qty Loc Code

ST523A 6

104680 6

104680

646.3718
Custom Washer

DAS
27
9-89

Manufactured No Each 25.0000

2 DAS
33
9-89

DAS
31
9-89

Location Loc Qty Loc Code

ST523A 10

103012 10

ST536 15

100128 15

646.3719
Doubler

DAS
27
9-89

Manufactured No Each 8.0000

2 DAS
33
9-89

DAS
31
9-89

Location Loc Qty Loc Code

ST523A 8

104679 8

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS						
Part No. _____	Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>					
NCR No. _____	Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>					
	Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Other <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other	

Picklist Print

September-23-13 11:47:59 AM

Page 13

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Required Date: 9/23/13

Start Qty: 1.00

Required Qty: 1.00

MS27039110
SCREW

Purchased No Each 728.0000

DAS

33

9-89

DAS
27
9-89

Location Loc Qty Loc Code

GA 100

120449 100

ST305 200

122815 1

124859 100

125654 99

ST308 18

123522 18

ST506 410

124326 10

m126474 400

DAS
31
9-89

126474

8

DAS

33

9-89

AN3-10A
Bolt

Purchased No Each 870.0000

DAS
27
9-89

Location Loc Qty Loc Code

ST351 492

m125709 492

ST512 378

115457 100

123352 200

123759 78

DAS
31
9-89

123759

1

DAS

33

9-89

6000990
MAGNABOND 6398 PART A

Purchased No Each 53.0000

DAS
27
9-89

Location Loc Qty Loc Code

ST 8

m126215 8

ST418 45

m126233 45

DAS
31
9-89

126215

1

DAS

33

9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
<input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							

Picklist Print

September-23-13 11:47:59 AM

Page 14

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Start Qty: 1.00

Required Date: 9/23/13

Required Qty: 1.00

600.0991

DAS
27
9-89

Purchased

No

Each 53.0000

MAGNOBOND 6398 PART B

DAS
33
9-89

DAS
31
9-89

126215

600.1012

DAS
27
9-89

Purchased

No

Each 20.0000

Sealant (#654 semikit)

DAS
33
9-89

DAS
31
9-89

126248

600.0129

DAS
27
9-89

VHB TAPE 75935A651

Purchased

No

f 139.0000

DAS
33
9-89

DAS
31
9-89

125240

600.1013

DAS
27
9-89

Purchased

No

Each 820.0000

021200-3M TAPE PRIMER 94 PRIMER 24216

DAS
33
9-89

DAS
31
9-89

125154

646.3910

DAS
27
9-89

Manufactured

No

Each 34.0000

Shim

DAS
32
9-89

DAS
31
9-89

13-11-22

B106729

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS							
				Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>					
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector	
Doc/Data	<input type="checkbox"/>												
Equip/Tooling	<input type="checkbox"/>												
Operator	<input type="checkbox"/>												
Material	<input type="checkbox"/>												
Setup	<input type="checkbox"/>												
Other	<input type="checkbox"/>												
Process	<input type="checkbox"/>												
Supplier	<input type="checkbox"/>												
Training	<input type="checkbox"/>												
Unapproved	<input type="checkbox"/>												
FAULT CATEGORY													
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio		<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
												<input type="checkbox"/> Other	

Picklist Print

September-23-13 11:47:59 AM

Page 15

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Start Qty: 1.00

Required Date: 9/23/13

Required Qty: 1.00

646.3911
Shim

Manufactured No Each 7.0000

DAS
27
9-89

Location Loc Qty Loc Code

ST139A	6	
99775	6	
ST139d	1	
93362	1	

1 B10686 3

DAS
32
9-89

646.3912
Shim

Manufactured No Each 40.0000

DAS
27
9-89

Location Loc Qty Loc Code

ST139d	4	
93423	4	
st535	20	
103082	20	
st541	16	
102271	12	
99841	4	

4 B106927

DAS
32
9-89

646.3913
Shim

Manufactured No Each 31.0000

DAS
27
9-89

Location Loc Qty Loc Code

ST139d	11	
93160	11	
st541	20	
100136	20	

1 DAS
33
9-89

13-11-22

93160

DAS
31
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS									
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>						
			Work Order Update <input type="checkbox"/>			Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>						
						Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>						
						Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>							
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance			Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
														<input type="checkbox"/> Other	

Picklist Print

September-23-13 11:47:59 AM

Page 16

Work Order ID: 107323

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutters

Start Date: 9/23/13

Start Qty: 1.00

Required Date: 9/23/13

Required Qty: 1.00

AN3-12A
Bolt

Purchased No Each 185.0000

2
DAS
33
9-89

DAS
27
9-89

Location	Loc Qty	Loc Code
GA	6	
122407	6	
ST351	179	
114536	1	
123352	2	
m125709	100	
m125752	2	
m126192	74	

136192

2
DAS
33
9-89

13-11-22

MS27039-1-16
Screw

Purchased No Each 194.0000

DAS
27
9-89

Location	Loc Qty	Loc Code
ST306	194	
125654	194	

1356521

DAS
33
9-89

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 03079

SHEET 1

JF 1

DWG NO. 646.4000

REV: A

PREPARED BY: N.CAP

DATE: 03/21/11

EFFECT ON DWG
 INC. UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR *J. Brav*

MFG

David Baker

QC

Thomas J. Sosa

EFF

NEXT ORDER

TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

107323 MJ
13-09-25

REF	REF	REF	65	647.5701	GPS MOUNT KIT	
6		64	601.3151	VASHER	NS246433P	
2		63	601.2910	SCREW	NS246433S	
2	2	62	601.2637	SCREW	NS27639-1-16	
2	2	61	601.2763	BOLT	NS3-12A	
1		60	646.3913	SHIM		
4	4	59	646.3912	SHIM		
1		58	646.3911	SHIM		
4	4	57	646.3910	SHIM		
5	5	56	600.0103	PRIMER		
8 FT	8 FT	55	600.0129	VHB TAPE		
1	11	54	600.0102	SEALANT	PN-448 CLASS 9	
400	400	400	FIND #	PART #	DESCRIPTION	MATL SPEC

1	1	53	600.0991	MACROBOND 6378 PART B			
1	1	52	600.0990	MACROBOND 6378 PART A			
8	8	51	601.2826	BOLT			
2	2	50	646.3914	WIPER BRACKET			
2	2	49	601.2910	SCREW	NS27639-1-16		
2	2	48	601.3365	SCREW	NS27639-1-16		
2	2	47	646.3719	DOUBLER			
2	2	46	646.3718	CUSTOM WASHER			
1	1	45	646.3717	DOUBLER			
22	22	44	601.1948	SCREW	NS27639-1-16		
2	2	43	601.1952	SCREW	NS27639-1-28		
4	4	42	601.1956	SCREW	NS27639-1-21		
2	2	41	601.2829	SCREW	NS246433S4		
2	2	40	601.2831	RIVET	NS24626A05-7		
1	1	39	646.3716	GAUGE BRACKET			
6	6	38	601.1953	SCREW	NS27639-1-12		
2	2	37	646.3715	STRUT DOUBLER			
2	2	36	601.2824	BOLT	NS3-5A		
36	36	35	601.2277	RIVET	CR25433-2-22		
18	18	34	600.0795	NUTPLATE	NS23047-3		
3	3	33	601.2563	RIVET	NS2477A05-7		
1	1	32	646.3913	STRUT BRACKET			
1	1	31	601.2822	BOLT	NS3-3A		
2	2	30	646.3912	GUSSET BRACKET			
8	8	29	601.2564	RIVET	NS2477A05-6		
1	1	29	646.3714	GUSSET			
1	1	27	646.3610	FILLER			
1	1	26	601.2830	SCREW	NS246433S3		
2	2	25	601.2825	BOLT	NS3-6A		
1	1	24	646.3911	RADIUS BLOCK			
1	1	23	646.3712	CLIP			
1	1	22	646.3711	CLIP			
8	8	21	601.2832	RIVET	NS2477A05-53		
14	14	20	601.2020	RIVET	CR323-5-3		
10	10	19	601.2823	BOLT	NS3-4A		
1	1	18	601.2827	BOLT	NS3-13A		
5	5	17	601.2912	SCREW	NS246433S1		
1	1	16	646.3713	GUSSET			
1	1	15	646.3210	SUPPORT			
1	1	14	646.3710	DOUBLER			
1	1	13	646.3110	CHANNEL			
8	55	16	63	12	601.1624	LOCKNUT	NS246433
18	116	16	134	11	601.1607	VASHER	NS246433P
				10	646.3411	RH VIPER DEFLECTOR	
				9	646.3410	LH VIPER DEFLECTOR	
				8	646.3513	STRUT	
				7	646.3512	STRUT	
				6	646.3511	STRUT	
				5	646.3510	STRUT	
2	2	4	646.3610	BRACKET			
		1	3	646.2910	DEFLECTOR		
		2	2	646.3001	LOWER CUTTER ASSY		
		1	1	646.3301	UPPER CUTTER ASSY		
				646.4004	FIXED PROVISIONS KIT		
				646.4003	RIGHT CUTTER KIT MEMBER		
				646.4008	ASSEMBLY-DEFLECTOR-UPPER		
				646.4001	ASSEMBLY-DEFLECTOR-UPPER		

DOCUMENTS EFFECTED:

MDL INSTALL INSTRUC

ICA

BOM

CHANGE CATEGORY
 MAJOR MINOR

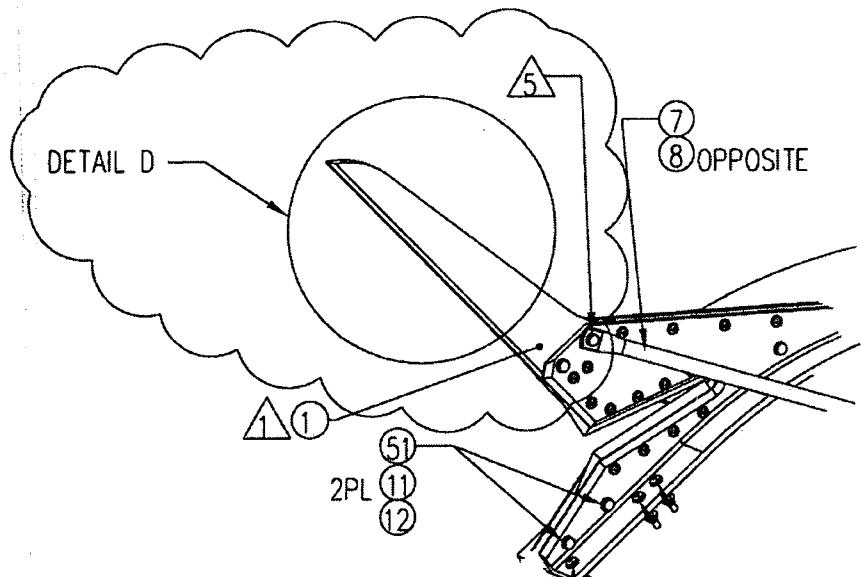
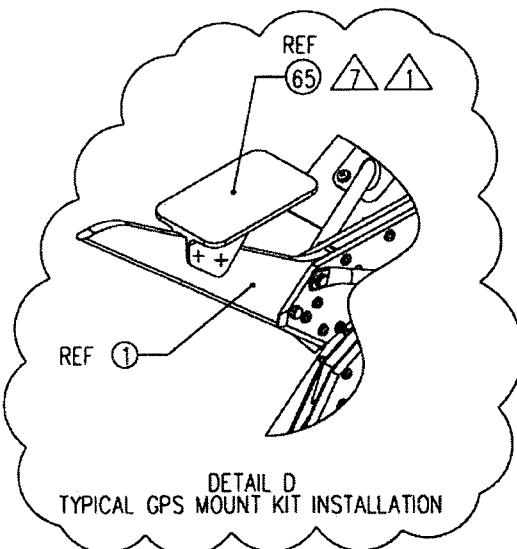
DER REVIEW REQUIRED
 YES NO

107323

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03046				SHEET 1 OF 1		
	DWG NO. 646.4000		REV: A	PREPARED BY	J. JACKSON	DATE: 01/24/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
	DWG TITLE: AS350 CABLE CUTTERS KIT						
	APPROVED BY:	ENGR <i>P. Brane</i>	MFG <i>David Parker</i>	QC <i>Thomas Lagan</i>			EFF: NEXT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 65. REVISED DRAWING VIEWS. ADDED NOTE <i>7</i>					

SHEET 1, ZONE B1 IS:

7 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1.

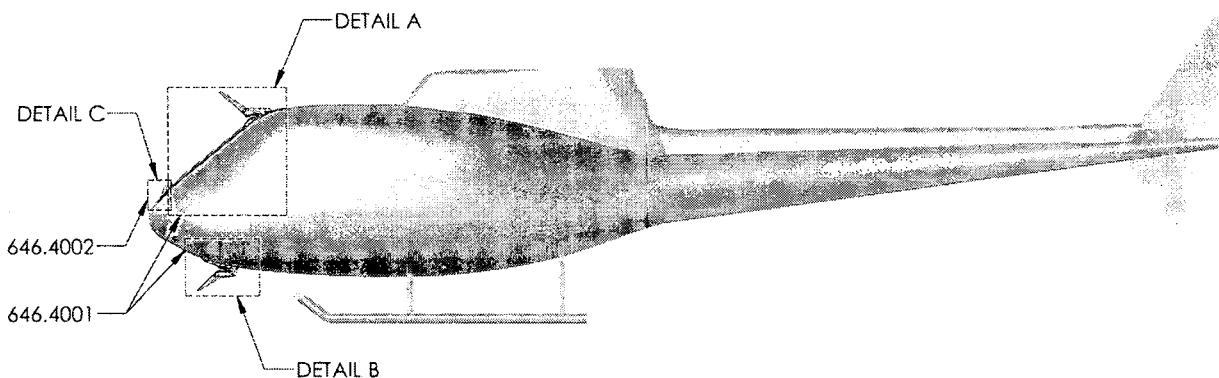
SHEET 2, ZONE A4 IS:SHEET 2, ZONE B2 IS:

65	A	647.5701	REF	GPS MOUNT KIT	<i>7</i>	
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

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NOTES:

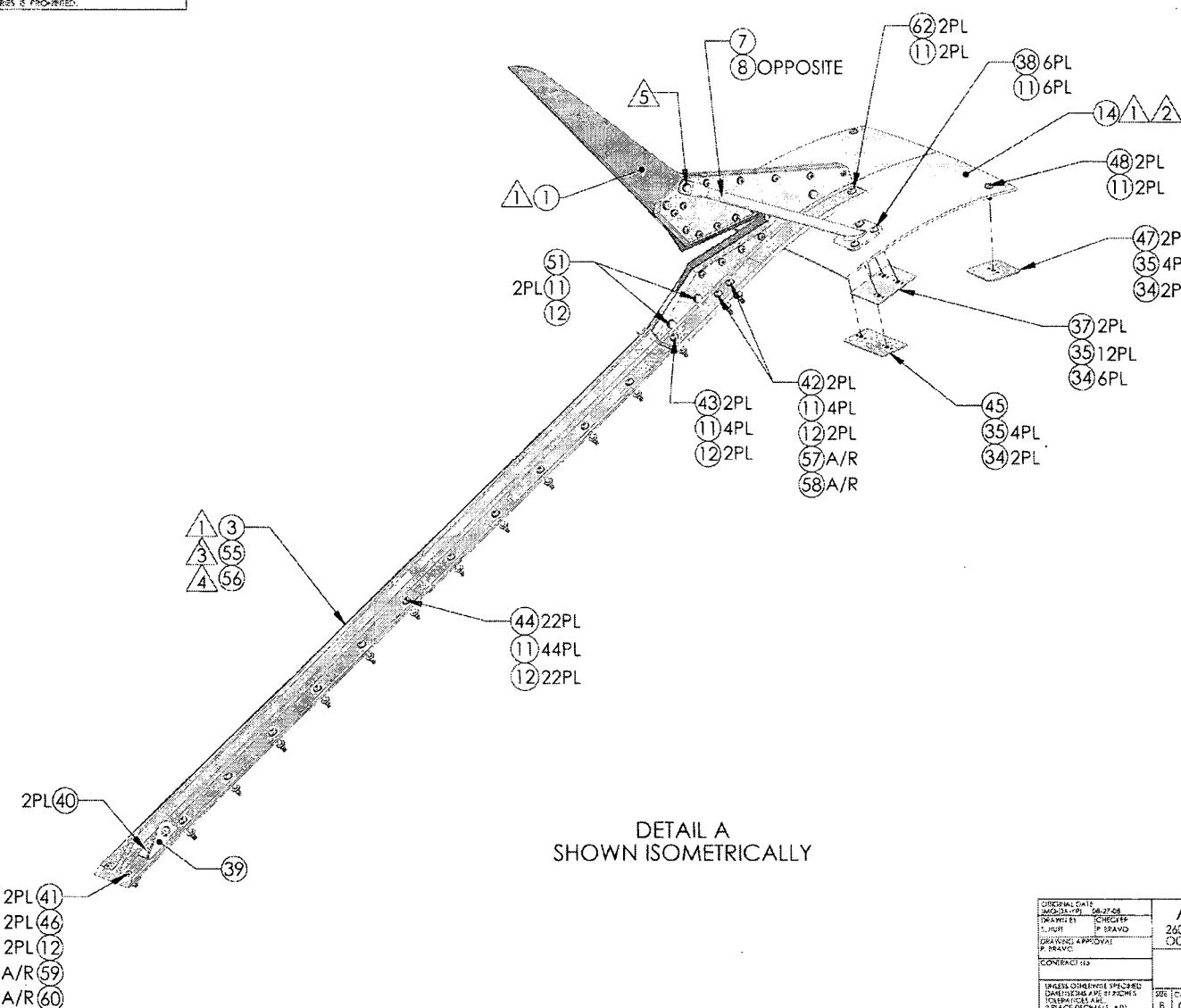
- 1** AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES
- 2** INSTALL F/N 14 WITH F/N 52 & 53
- 3** 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMASTER-CARR P/N 75935A651
- 4** 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE
VENDOR: R.S. HUGHES P/N 021200-24216
- 5** REUSE FASTENERS FROM F/N 1
- 6** USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT



107327

107323

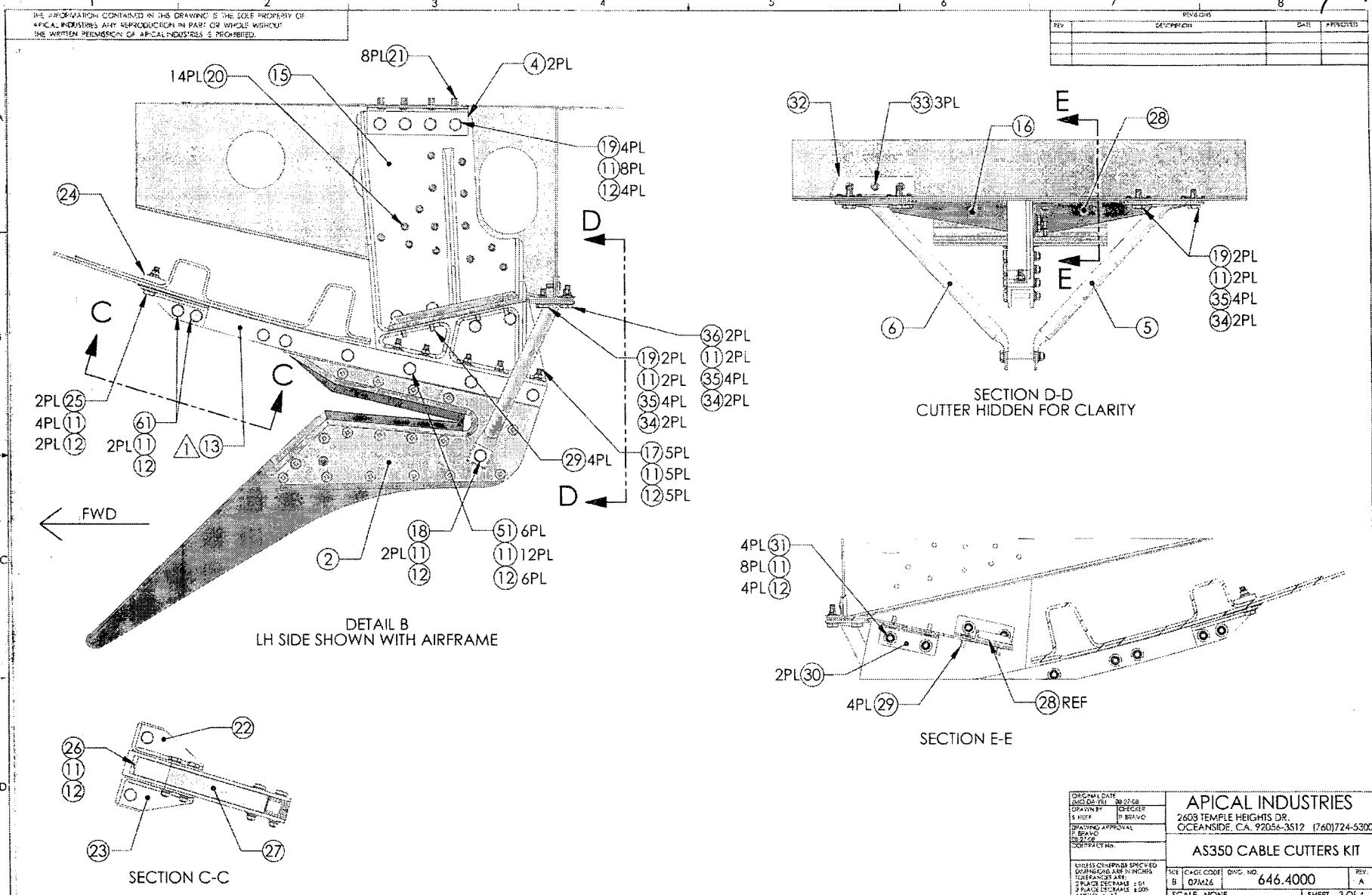
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REV	DATE APPROVED
	2010-01-01

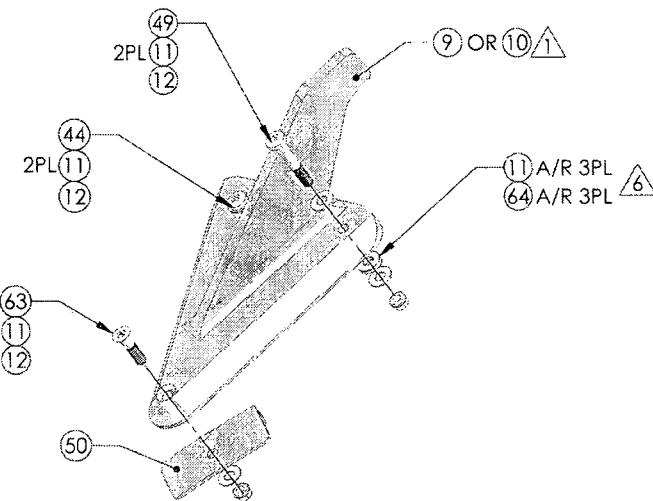
107323



1 2 3 4 5 6 7 8
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REF ID	DESCRIPTION	DATE APPROVED

107323



DETAIL C
LH SHOWN EXPLODED
RH OPPOSITE

ORIGINAL DATE 09-27-98	APICAL INDUSTRIES
DRAWN BY S. HUFF	CHIEF ENGINEER D. BRAVO
DESIGNED BY S. HUFF	DRAUGHTING APPROVAL D. BRAVO
COMPLIANT NO.	2608 TEMPLE HEIGHTS DR, OCEANSIDE, CA. 92056-3512 (760)724-5300
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
10X10X10 MM ARE 25X25X25	
3 PLACE DECIMALS ± 50%	
ANGLES ± 3°	
DATE 07M26	ITEM NO. 646,4000
SCALE NONE	REV A
1 SHEET 4 OF 4	